

# Polzin, Edward G.

**Professional Experience:** Engineering Specialist (7/03 to present)

- Conduct characterization and performance tests of fuel cell and battery systems designed for transportation applications
- Analyze and interpret results of characterization and performance tests
- Prepare reports of test deliverable evaluation and compare results with program targets
- Interact closely with fuel cell and battery manufacturers to discuss safety and technical specifications
- Design and integrate necessary support systems to satisfy manufacturer's testing requirements and integrate laboratory equipment
- Research and request laboratory equipment to improve or expand the capabilities of the test facility
- Troubleshoot, repair, and calibrate various laboratory equipment
- Prepare documentation of modifications to existing laboratory equipment
- Supervise students when needed

Engineering Assistant (12/99 to 7/03)

- Evaluate fuel cell and battery deliverables using USABC, PNGV, and other requested standards
- Prepare reports outlining the results of test deliverable evaluation
- Interact closely with fuel cell and battery manufacturers to discuss safety and technical specifications
- Design and integrate necessary electronic systems to satisfy manufacturer's testing requirements
- Research and request laboratory equipment to improve or expand the capabilities of the laboratory
- Troubleshoot, repair, and calibrate various laboratory equipment
- Prepare documentation of modifications to existing laboratory equipment
- Supervise students when needed

Co-op/Student (8/97 to 12/99)

- Troubleshoot, repair, and calibrate various laboratory equipment
- Design and integrate necessary safety systems in test stations
- Design and integrate heating, cooling, and ventilation systems within provided specifications
- Design, integrate, and calibrate signal conditioning hardware
- Prepare documentation of custom and modified laboratory equipment
- Correspond with manufacturers to acquire technical specifications, availability, and pricing information

<b>Education:</b>	MS	2004	Electrical Eng.	Illinois Institute of Technology (expected 12/04)
	BS	1999	Electrical Eng.	University of Illinois-Champaign